



## Proudly Presented by TUFF TORQ Services

Note: Some models may vary. This diagram is intended to provide information for the replacement of the Bypass O-rings only.



## **Tools Needed**





Small O-ring / seal pick tool







Remove the Roll Pin from the Bypass Arm. Be careful to not damage the Arm or

the shaft

Note the orientation of the Bypass Arm and Roll Pin.
Remove the Bypass Arm and Roll Pin exposing the O-rings





TUFF TORM

Use the O-ring pick tool to remove both O-rings. *Note:* Be careful to not damage the housing or the bypass shaft

Take a clean cloth and wipe the shaft and housing free of debris



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Coat both O-rings with grease before installing onto the shaft

Install the new O-rings and push them in by hand. See next step for final installation





Press the O-rings in by hand firmly

Use the dull or rounded end of the small pick tool to push the O-rings into the housing.

Note: Be careful to not damage the O-rings or the housing





Install the Bypass Pin and Arm.

Note: Retain proper orientation

of the Arm

The slit of the Pin should be in the 3 or 9 o'clock position

The Pin should also be centered flush on the Arm







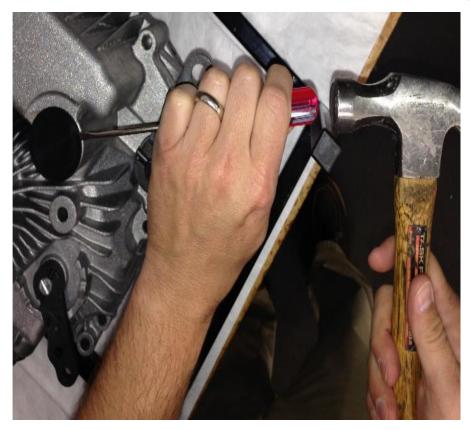




The oil should be inspected before placing the transaxle back on the mower

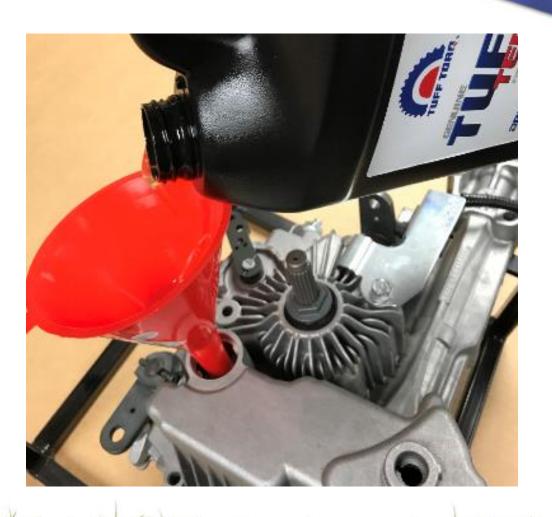


Remove the sealing cap by prying up with a flat screw driver. Also remove the magnet prior to inspection or draining/refilling. **Note:** Removing the fan and pulley may also be necessary for oil inspection

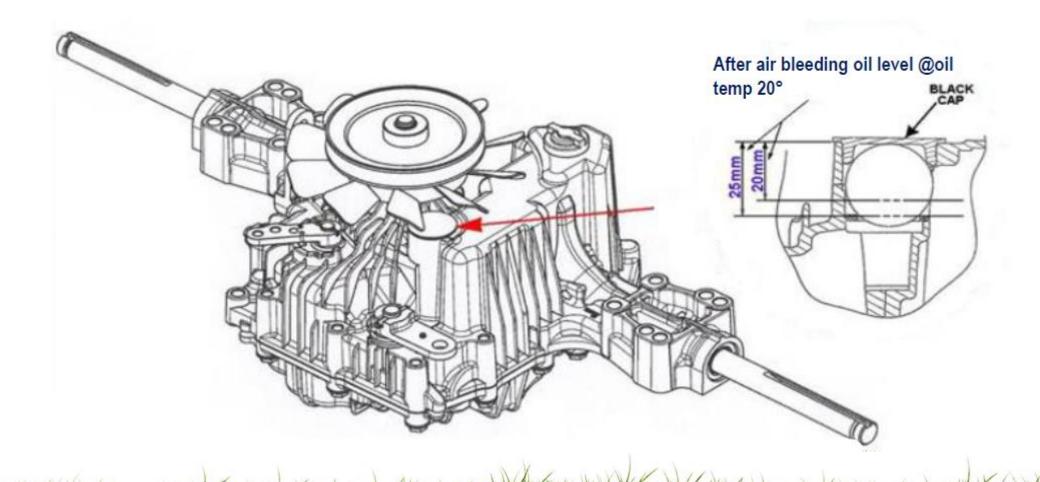




Pour new oil into transaxle through the access port as shown. Use Tuff Tech oil 187Q0899000









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